

Title (en)

System and apparatus for coding and decoding a digital signal

Title (de)

System und Einrichtung zur Kodierung und Dekodierung eines digitalen Signals

Title (fr)

Système et dispositif de codage et décodage pour un signal digital

Publication

EP 0561448 B1 19980902 (EN)

Application

EP 93200641 A 19930305

Priority

NL 9200499 A 19920317

Abstract (en)

[origin: US5422672A] An encoder for coding a digital signal comprises an encoder input for receiving the digital signal; a first data processor, having an input which is coupled to the encoder input, for generating a first coded digital signal at a first output of the first data processor; a first reduction device coupled to the encoder input, for reducing the received digital signal; a second data processor, having an input which is coupled to the first reduction device, for generating a second coded digital signal at a first output of the second data processor; a first encoder memory having an input which is coupled to a second output of the first data processor, and having an output which is coupled to the input of the first data processor; a second encoder memory having an input which is coupled to a second output of the second data processor, and having an output which is coupled to the input of the second data processor; and a first encoder prediction device having a first side which is coupled to the second output of the second data processor, and a second side which is coupled to both the input of the first encoder memory and the input of the first data processor. A decoder for decoding a digital signal which is encoded as described above, comprises a first data reprocessing device for processing a coded digital signal; and a decoder memory having an input which is coupled to an output of the first data reprocessing device.

IPC 1-7

H04N 7/24

IPC 8 full level

H04N 11/04 (2006.01); **G06T 9/00** (2006.01); **H04N 7/26** (2006.01); **H04N 7/46** (2006.01); **H04N 7/50** (2006.01)

CPC (source: EP US)

H04N 19/59 (2014.11 - EP US); **H04N 19/61** (2014.11 - EP US); **H04N 19/63** (2014.11 - EP US); **H04N 19/30** (2014.11 - EP US)

Cited by

FR2915341A1; EP0661884A3; EP1185107A3

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

US 5422672 A 19950606; AT E170692 T1 19980915; DE 69320674 D1 19981008; DE 69320674 T2 19990325; DK 0561448 T3 19990531; EP 0561448 A1 19930922; EP 0561448 B1 19980902; ES 2123613 T3 19990116; JP 2767083 B2 19980618; JP H0670340 A 19940311; NL 9200499 A 19931018

DOCDB simple family (application)

US 2785293 A 19930308; AT 93200641 T 19930305; DE 69320674 T 19930305; DK 93200641 T 19930305; EP 93200641 A 19930305; ES 93200641 T 19930305; JP 9478193 A 19930317; NL 9200499 A 19920317